

DuSpec Specification Sheet

DULUX AcraTex: Levelling & Texture Finishing System for RENDAPANEL® Cladding System by Focal Point Pty Ltd.



Substrate :

RENDAPANEL® building panels are 'ready-to-render' pre-coated, mesh reinforced expanded polystyrene sheet panels manufactured and supplied by Focal Point Pty Ltd. RENDAPANEL® building panels are available in single or double mesh reinforced multi thickness 40mm, 75mm or 100mm panel configurations designed for external wall cladding installations in accordance with Focal Point Pty Ltd External Insulated Cladding Systems Specifications.

This coating recommendation does not constitute Dulux endorsement of this/any walling or cladding system or the suitability of building envelope / building system to meet the specific requirements of a given project.

Users of this recommendation will satisfy themselves of the suitability of this substrate /coating guide / advice, relevant to their specific project long term requirements. In all cases Building System Design must conform to relevant Local / Building Codes or regulations and be in accordance with substrate supplier's recommendations.

Users must make their own determinations as to the suitability of this building system/ material relevant to their specific requirements.

Substrate Preparation:

Design & Installation

Frame detail and panel fixing must comply with relevant Building Codes and be in strict accordance with the supplier / manufacturer's External Insulated Cladding specifications. It is the responsibility of the Builder, Project Manager and/or Panel installer to ensure all these panels and substrate details are installed in accordance with substrate supplier recommendations, project specific engineering specification and relevant building codes prior to commencement of any coatings applications.

-refer RENDAPANEL® External Insulated Cladding Technical Specifications for full design specifications

With all cladding systems Dulux recommends that specific design advice be sought with respect to the incorporation of suitable moisture management systems. Best Practice design should incorporate a cavity drainage design and or vapour permeable sarking, suitable water diversion flashing and sealing systems relevant to the specific façade design and exposure location..

General Preparation

Surface must be clean and sound free of dirt, mud, grease oils or any other surface contamination. Exposed raw Expanded Polystyrene (EPS) surfaces should be sound and unaffected by weathering or UV deterioration.

Expansion (Movement) Joints:

Good Building practice provides for expansion (movement) joints at (max.) 3M height & 6M wide intervals and at all building weak points e.g. in line with openings (window / doors), horizontally between floor levels, and at all interfaces of different building construction materials as defined by supplier / manufacturer's and the responsible Building Engineer. The placement and correct installation of control joints is the responsibility of the Installer / Builder / Engineer relative to the construction design. Use industry approved construction grade Poly Urethane (PU) 'paintable'- flexible Mastic as detailed by the PU manufacturer's specifications.

Joints Reinforcement Mesh:

In accordance with RENDAPANEL® specifications , installation of 145 -160 g/m² (minimum), 5 x 5 mm aperture, Alkali Resistant reinforcement mesh across all panel joints, raw EPS surfaces, at external and internal corners, edge reveals, and at diagonals across corners of all window and door openings if no movement joints are installed.

- refer RENDAPANEL® External Insulated Cladding Technical Data for full design specification.

Joint Reinforcement mesh will be imbedded in a basecoat of RenderWall P400, prior to installation of a final levelling application of Dulux RenderWall P400. - refer *Coating System section for mix instructions and installation guidelines*

Industry Best practice recommends a full mesh application using Reinforcement Mesh that is suitably accredited Alkali Resistant Fibreglass with a nominal 5mm X 5mm weave and a mass weight of not less than 165 gsm/M2.

All reinforcing mesh is overlapped by a minimum of 100mm on installation.

The installation of additional strips across joints, external and internal corners, edge reveals, and at diagonals across corners of all window and door openings is also recommended.

Caution on Dark Colours:

Avoid the finishing of these Claddings Systems with dark colours - these may raise the surface temperature of the EPS and damage the cladding system. Use colours with a LRV greater than 35% or consult Dulux on the potential to use DULUX InfraCOOL Heat Reflective Coatings that will keep the surface cooler.

Project		Duspec	DULUX AcraTex RenderWall P400 Levelling & Texture Finishing System for Rendapanel.				
Project ID		Principle	Focal Point	Duspec no.		Page no.	1 of 3
Issue		Prepared By		Issue	3	Prepared By	Shane Langkilde
Date		Approved By		Date	20.10.2015	Approved By	

DISCLAIMER:

Any advice, recommendation, information, assistance or service provided by any of the divisions of DuluxGroup in relation to goods manufactured by it or their use and application is given in good faith and is believed by DuluxGroup to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by DuluxGroup is provided without liability or responsibility PROVIDED THAT the foregoing shall not exclude, limit, restrict or modify the right entitlements and remedies conferred upon any person or the liabilities imposed upon DuluxGroup by any condition or warranty implied by Commonwealth, State or Territory Act or ordinance void or prohibiting such exclusion limitation or modification. Coating systems can be expected to perform as indicated on the Duspec Spec Sheet so long as applications and application procedures of the individual products are followed as recommended on the appropriate Product data Sheet

The data provided within the Duspec system is correct at the time of publication, however it is the responsibility of those using this information to check that it is current prior to specifying or using any of these coating systems. This specification should be read in conjunction with the Product Datasheets specified within this document.

"DuluxGroup" "Dulux" "Berger" "Berger Gold Label" "Hadrian" "Walpamur" "Levene" "AcraTex" are registered trademarks of DuluxGroup Australia Pty Ltd ABN 67 000 049 427.

DuSpec Specification Sheet
**DULUX AcraTex: Levelling & Texture Finishing System for
 RENDAPANEL® Cladding System by Focal Point Pty Ltd.**



Coating System:

Basecoat & Reinforcement Mesh – Surface Levelling	Data Sheet	Base Layer	Min. Cover
<p><u>P400 RENDERWALL BASE COAT WITH EXSULITE REINFORCEMENT MESH</u></p> <p>In a clean 15 litre pail add 3.5-4.0 litres of clean water slowly add RenderWall P400 while stirring till a cream trowel able paste is formed.</p> <p>Apply the basecoat layer of RenderWall P400 by stainless steel trowel to fully cover the EPS surface with a 2-3 mm (min.) basecoat. Whilst wet embed the Reinforcing mesh into the RenderWall P400 and overlapped all edges by a minimum of 100mm.</p> <p>Note: The mesh is not to be pushed through the wet render onto the face of the Exsulite Panel.</p>	AUDA1596	<p>RenderWall P400 (1.7kg/m2/mm) Assuming no loss + Alkali resistant Fibre Glass mesh 165 gm weight (minimum.) 5 x 5 mm aperture</p>	<p>2 -3mm</p> <p>wet on wet</p>
<p>DULUX AcraTex RenderWall P400 Finishing coat</p> <p>Apply finishing coat of RenderWall P400 basecoat mixture to completely cover and encapsulate the mesh with a minimum of 2mm cover. Finish the RenderWall P400 base coat by lightly scratching the surface to provide a surface “key” for subsequent levelling or texture coats.</p> <p>Note: A minimum 4mm-5mm cover of RenderWall P400 to the EPS Panel once dried.</p>	AUDA1596	<p>RenderWall P400 1.7kg/m2/mm) Assuming no loss</p>	<p>3 mm</p> <p>16 hours</p>
<p><u>WHERE ADDITIONAL IMPACT RESISTANCE & OPTIONAL LEVELLING COAT IS REQUIRED</u></p> <p><i>Where additional impact resistance is required apply and embed an additional Exsulite reinforcement mesh layer coat of P400 RenderWall as specified or directed</i></p> <p>Add RenderWall P400 to fresh water to form trowel able paste. Apply by hawk and trowel or render pump over the Base Coat application. Screed and float level Finish by polystyrene or wood float to a suitable level finish for subsequent Texture Coating</p>	AUDA1596	<p>RenderWall P400</p>	<p>2-3mm</p> <p>16 hours</p>

TEXTURE COATING SYSTEM	Data Sheet.	Application rate	Recoat
<p>PRIME COAT : DULUX AcraTex – AcraPrime 501/1 L/Shade 194-20809</p> <p>Optional : but recommended during hot weather</p> <p>The use of AcraPrime consolidates and conditions the surface and enhances subsequent coating application and total system durability.</p> <p>Apply by conventional roller method evenly over the surface</p>	AUDA0441	<p>10 sq m per litre</p>	<p>4 hours</p>
<p>TEXTURE COAT : DULUX AcraTex – Coventry Coarse L/Shade 194-85944</p> <p>Apply with Hawk & Trowel evenly over surface to the thickness of the largest particles. Follow up with a light ‘floating’ process to level out the product using red plastic trowel/float.</p>	AUDA1065	<p>0.8 sq m2 per litre</p>	<p>8 hours</p>
<p>SHIELDCOAT : DULUX AcraTex AcraShield Matt L/Shade 194-X0100 (HiOP)</p> <p>Apply with a medium nap roller over the surface ensuring a wet edge is maintained over the application area.</p> <p><i>Dulux recommends 2 coats applications for even coverage to minimising “cutting in” and “lap mark” effects. Where 2 coats are applied, dilute the first coat with 10% water.</i></p>	AUDA1409	<p>5 m² per Litre per Coat</p>	<p>4 hours</p> <p>Protect from rain in first 16 hours</p>
<p>SHIELDCOAT : DULUX AcraTex AcraShield Matt L/Shade 194-X0100 (HiOP)</p> <p>Apply with a medium nap roller over the surface ensuring a wet edge is maintained over the application area.</p> <p><i>Dulux recommends 2 coats applications for even coverage to minimising “cutting in” and “lap mark” effects.</i></p>	AUDA1409	<p>5 m² per Litre per Coat</p>	<p>Protect from rain in first 16 hours</p>

Project	Duspec	DULUX AcraTex RenderWall P400 Levelling & Texture Finishing System for Rendapanel.				
Project ID	Principle	Focal Point	Duspec no.	Page no.	2 of 3	
Issue	Prepared By	Issue	3	Prepared By	Shane Langkilde	
Date	Approved By	Date	20.10.2015	Approved By		

DISCLAIMER:

Any advice, recommendation, information, assistance or service provided by any of the divisions of DuluxGroup in relation to goods manufactured by it or their use and application is given in good faith and is believed by DuluxGroup to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by DuluxGroup is provided without liability or responsibility PROVIDED THAT the foregoing shall not exclude, limit, restrict or modify the right entitlements and remedies conferred upon any person or the liabilities imposed upon DuluxGroup by any condition or warranty implied by Commonwealth, State or Territory Act or ordinance void or prohibiting such exclusion limitation or modification. Coating systems can be expected to perform as indicated on the Duspec Spec Sheet so long as applications and application procedures of the individual products are followed as recommended on the appropriate Product data Sheet

The data provided within the Duspec system is correct at the time of publication, however it is the responsibility of those using this information to check that it is current prior to specifying or using any of these coating systems. This specification should be read in conjunction with the Product Datasheets specified within this document.

"DuluxGroup" "Dulux" "Berger" "Berger Gold Label" "Hadrian" "Walpamur" "Levene" "AcraTex" are registered trademarks of DuluxGroup Australia Pty Ltd ABN 67 000 049 427.

DuSpec Specification Sheet

DULUX AcraTex: Levelling & Texture Finishing System for RENDAPANEL® Cladding System by Focal Point Pty Ltd.



Important Notes:

Coatings should be applied in full accordance with relative product Technical and Application Data Sheets. This system is recommended where panel misalignment is NOT greater than 4mm.

Practical spreading rates will vary from quoted theoretical figures depending on substrate porosity, surface roughness, overspray losses, application methods and environmental conditions (e.g. wind).

All preparation and painting must conform to AS2311: The Painting of Buildings:-

Plan for application to shaded surfaces, avoid hot windy condition or where rain is likely.

Do not apply products in direct sunlight or if the Relative Humidity is above 85% or temperature is within 3°C of Dew Point or where the surface temperature is greater than 30°C or below 10°C, or likely to fall below 10°C during the application or drying period. Allow longer times under cool, moist, or still conditions and or when applied at high film builds. Protect from dew, rain and frost for 48 hours when applying at the recommended spread rate.

Avoid application in hot, windy conditions or on hot surfaces cool the surface by hosing with water and paint the cool damp surface.

When using Bright Reds, Oranges, Blues and Yellows or where very light colours are applied over highly contrasting colours an extra coat maybe required. Application techniques should be adjusted to achieve the recommended DFT and finishing standard.

To avoid "Picture Framing" of 'high build' texture topcoats use only a 'wet on wet' cutting-in & coating technique incorporating masking taping of the perimeter of the application section.

When the Applicator is preparing the site sample for approval he should advise the Project Superintendent if the substrate condition is not of sufficient standard to produce the specified finish. At commencement of coating system application to the substrate it shall be deemed that the Applicator has certified that the surface which it is to be applied to is fit to receive the specified coating(s) system.

COLOUR -It is recommended to avoid Dark colours on critical large wall elements where the resultant higher surface temperatures generated may increase thermal expansion and contraction stress - Use colours with a Light Reflectance Value (LRV) greater than 35% &/or consult Dulux regarding the potential to use InfraCOOL Heat Reflective Coatings that may keep surfaces cooler.

LOCATION - The coastal area is considered a marine environment and as such salt potentially can shorten the life of the coating systems. Care needs to be taken to wash down all areas twice. Once to remove surface contaminants, and raise salts to the surface and then secondly to remove these salts. Due to the locality, Weather conditions and lag time between applications of the coating system it may require the need to wash again, between coats.

GLANCING LIGHT - Joints and panel deformation may be clearly evident under glancing light, casting visible shadows of the minute and uneven projections of the joints. Glancing light is light that is nearly parallel to the surface of the wall and casts visible shadows and uneven projections of the joints. Just like rendered masonry/ Jointed system any uneven projections will be highlighted and as such are outside the control / scope of this specification.

The dynamics of the substrate is outside the control of Dulux Australia and as such joint deformation or cracking is excluded from warranty terms. Refer warranty document for full terms and conditions.

This specification is to be read in conjunction with DULUX product data sheets

When using this specification, the Installer shall maintain adequate records of proof of purchase and use of Dulux AcraTex Products

A DULUX warranty can only be provided when the full AcraTex system is applied by a DULUX AcraTex trained applicator, according to specification at the specified spreading rates, & to the surface preparation details described in the DULUX AcraTex Specification Manual.

Project		Duspec	DULUX AcraTex RenderWall P400 Levelling & Texture Finishing System for Rendapanel.				
Project ID		Principle	Focal Point	Duspec no.		Page no.	3 of 3
Issue		Prepared By		Issue	3	Prepared By	Shane Langkilde
Date		Approved By		Date	20.10.2015	Approved By	

DISCLAIMER:

Any advice, recommendation, information, assistance or service provided by any of the divisions of DuluxGroup in relation to goods manufactured by it or their use and application is given in good faith and is believed by DuluxGroup to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by DuluxGroup is provided without liability or responsibility PROVIDED THAT the foregoing shall not exclude, limit, restrict or modify the right entitlements and remedies conferred upon any person or the liabilities imposed upon DuluxGroup by any condition or warranty implied by Commonwealth, State or Territory Act or ordinance void or prohibiting such exclusion limitation or modification. Coating systems can be expected to perform as indicated on the Duspec Spec Sheet so long as applications and application procedures of the individual products are followed as recommended on the appropriate Product data Sheet

The data provided within the Duspec system is correct at the time of publication, however it is the responsibility of those using this information to check that it is current prior to specifying or using any of these coating systems. This specification should be read in conjunction with the Product Datasheets specified within this document.

"DuluxGroup" "Dulux" "Berger" "Berger Gold Label" "Hadrian" "Walpamur" "Levene" "AcraTex" are registered trademarks of DuluxGroup Australia Pty Ltd ABN 67 000 049 427.